

three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

three eighths inch = one foot

one half inch = one foot

one quarter inch = one foot

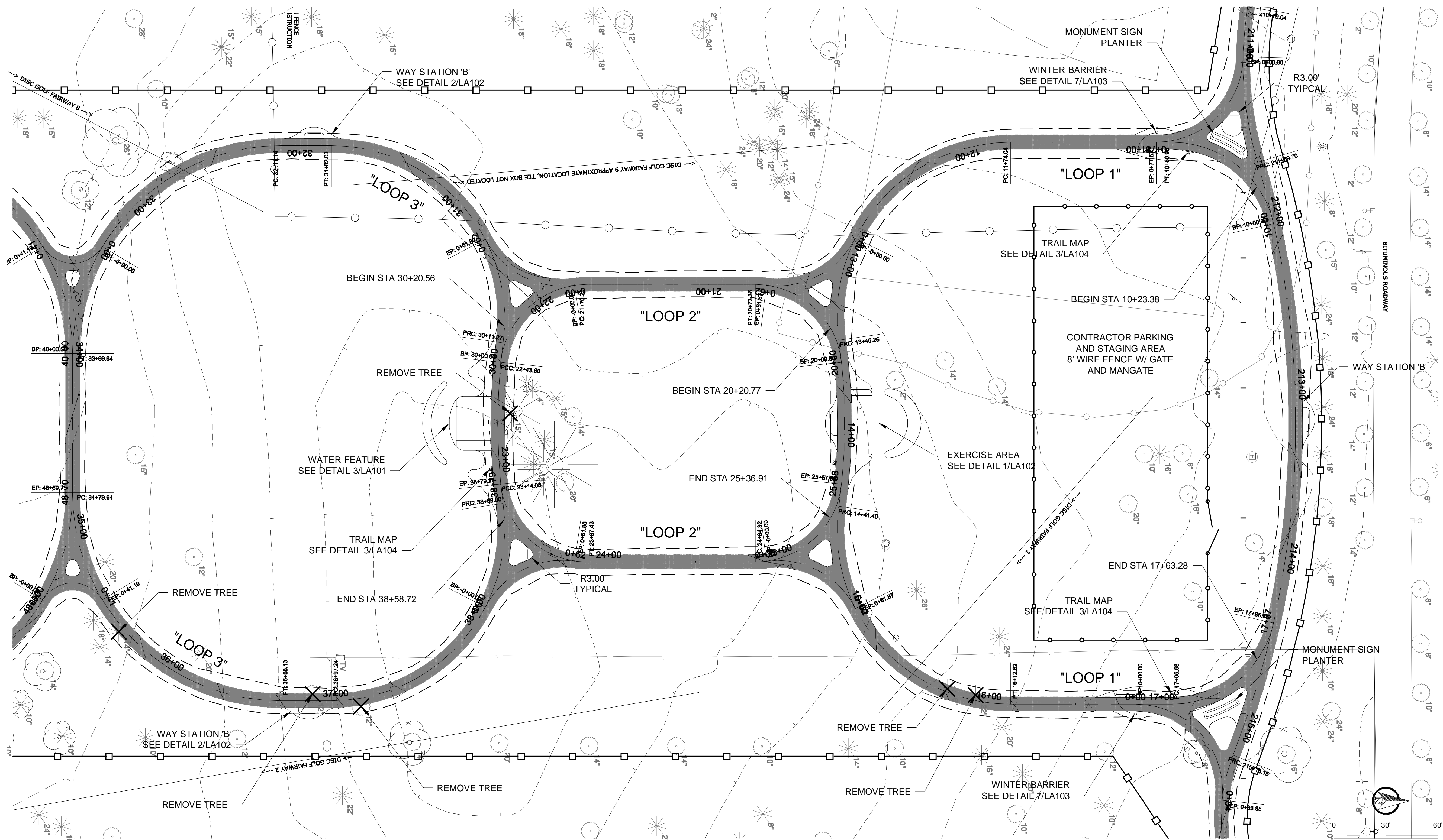
one eighth inch = one foot

one quarter inch = one foot

one eighth inch = one foot

one eighth inch = one foot

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HORIZONTAL CURVE DATA - "LOOP 1"									
Number	Length	Radius	Start Station	End Station	Chord length	Chord Direction	Start Direction	End Direction	PI Included Angle
1	80.98'	60.00'	10+00.00'	10+80.98'	74.97'	S38°39'51.94"W	S77°19'43.89"W	S00°00'00"E	102°40'16"
2	171.22'	100.00'	11+74.04'	13+45.26'	151.06'	S49°03'00.82"E	S00°00'00"E	N81°53'58.36"E	115.24°
3	95.14'	340.00'	13+45.26'	14+41.40'	95.02'	N80°00'00"E	N81°53'58.36"E	S81°53'58.36"E	48.39°
4	171.22'	100.00'	14+41.40'	16+12.62'	151.06'	N49°03'00.82"E	S81°53'58.36"E	N00°00'00"E	115.24°
5	80.98'	60.00'	17+05.68'	17+86.66'	74.97'	N38°39'51.94"W	N00°00'00"E	N77°19'43.89"W	48.01°

HORIZONTAL CURVE DATA - "LOOP 2"									
Number	Length	Radius	Start Station	End Station	Chord length	Chord Direction	Start Direction	End Direction	PI Included Angle
1	73.36'	50.00'	20+00.00'	20+73.36'	66.55'	S42°01'52.01"W	S54°03'44.02"W	S00°00'00"E	45.07°
2	73.36'	50.00'	21+70.36'	22+43.60'	66.55'	S42°01'52.01"E	S00°00'00"E	S54°03'44.02"E	45.07°
3	70.47'	140.00'	22+43.60'	23+14.06'	70.34'	N60°00'00"E	S54°03'44.02"E	N84°03'44.02"E	25.06°
4	73.36'	50.00'	23+14.06'	23+87.43'	66.55'	N42°01'52.01"E	N84°03'44.02"E	N00°00'00"E	45.07°
5	73.36'	50.00'	24+54.32'	25+27.68'	66.55'	N42°01'52.01"W	N00°00'00"E	N84°03'44.02"W	45.07°

HORIZONTAL CURVE DATA - "LOOP 3"									
Number	Length	Radius	Start Station	End Station	Chord length	Chord Direction	Start Direction	End Direction	PI Included Angle
1	111.27'	140.00'	30+00.00'	30+111.27'	111.27'	N62°08'44.45"W	N64°03'44.02"W	N62°08'44.02"W	5.84°
2	170.76'	100.00'	30+111.27'	31+82.03'	150.76'	S45°55'07.45"W	N62°08'44.02"W	S00°00'00"E	114.77°
3	165.50'	120.00'	32+11.14'	33+76.64'	165.71'	S45°00'00"E	S00°00'00"E	N60°00'00"E	120.00°
4	165.50'	120.00'	34+76.64'	36+42.13'	165.71'	N45°00'00"E	N60°00'00"E	N62°08'44.02"E	120.00°
5	170.76'	100.00'	36+42.13'	38+12.89'	150.76'	N45°55'07.45"W	N00°00'00"E	S45°55'07.45"W	114.77°
6	111.27'	140.00'	38+12.89'	38+111.27'	111.27'	S45°08'44.45"W	S45°20'44.02"W	S45°08'44.02"W	5.84°

NOTES:

- TYPICAL SECTION FOR "LOOP 1" (SEE DETAIL 10/C4.1) 8' BITUMINOUS TRAIL, NO CROWN, 2% RIGHT UNLESS NOTED OTHERWISE.
- TYPICAL SECTION FOR "LOOP 2" (SEE DETAIL 10/C4.1) 8' BITUMINOUS TRAIL, NO CROWN, 2% RIGHT UNLESS NOTED OTHERWISE.
- TYPICAL SECTION FOR "LOOP 3" (SEE DETAIL 10/C4.1) 8' BITUMINOUS TRAIL, NO CROWN, 2% LEFT UNLESS NOTED OTHERWISE.
- CONFLICTS EXIST BETWEEN PROPOSED BITUMINOUS TRAIL ALIGNMENT AND EXISTING DISC GOLF COURSE. CONTRACTOR TO RELOCATE DISC GOLF TEES AND/OR GOALS AS REQUIRED. COORDINATE RELOCATION WITH THE VA.

LEGEND

- CONCRETE WALK
- BITUMINOUS TRAIL
- GRADING LIMITS
- ORANGE CONSTRUCTION FENCE

100% CD'S - FOR CONSTRUCTION

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GINA M. DULLINGER 45489
DATE: 10/16/2012 REG. NO.

Drawing Title
PLAN AND PROFILE

Approved Project Director

Project Title
CREATE CAMPUS WALKING
PATH

Location
VA MEDICAL CENTER, ST. CLOUD, MN 56303

Date
10/16/2012

Checked
DJF

Drawn
GMD

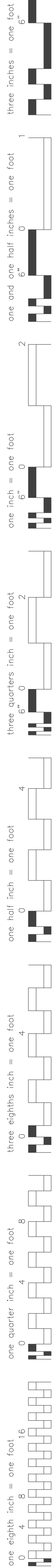
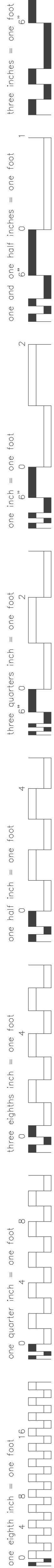
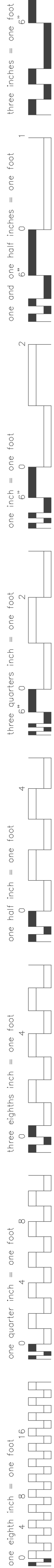
Project Number
02212002

Building Number

Drawing Number
C2.3

Dwg 7 of 24



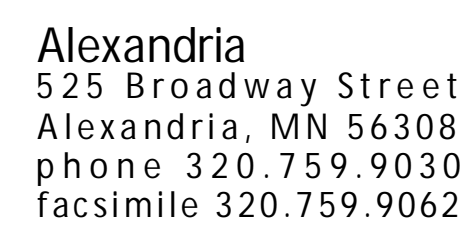


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Drawn	
GMD	

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one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

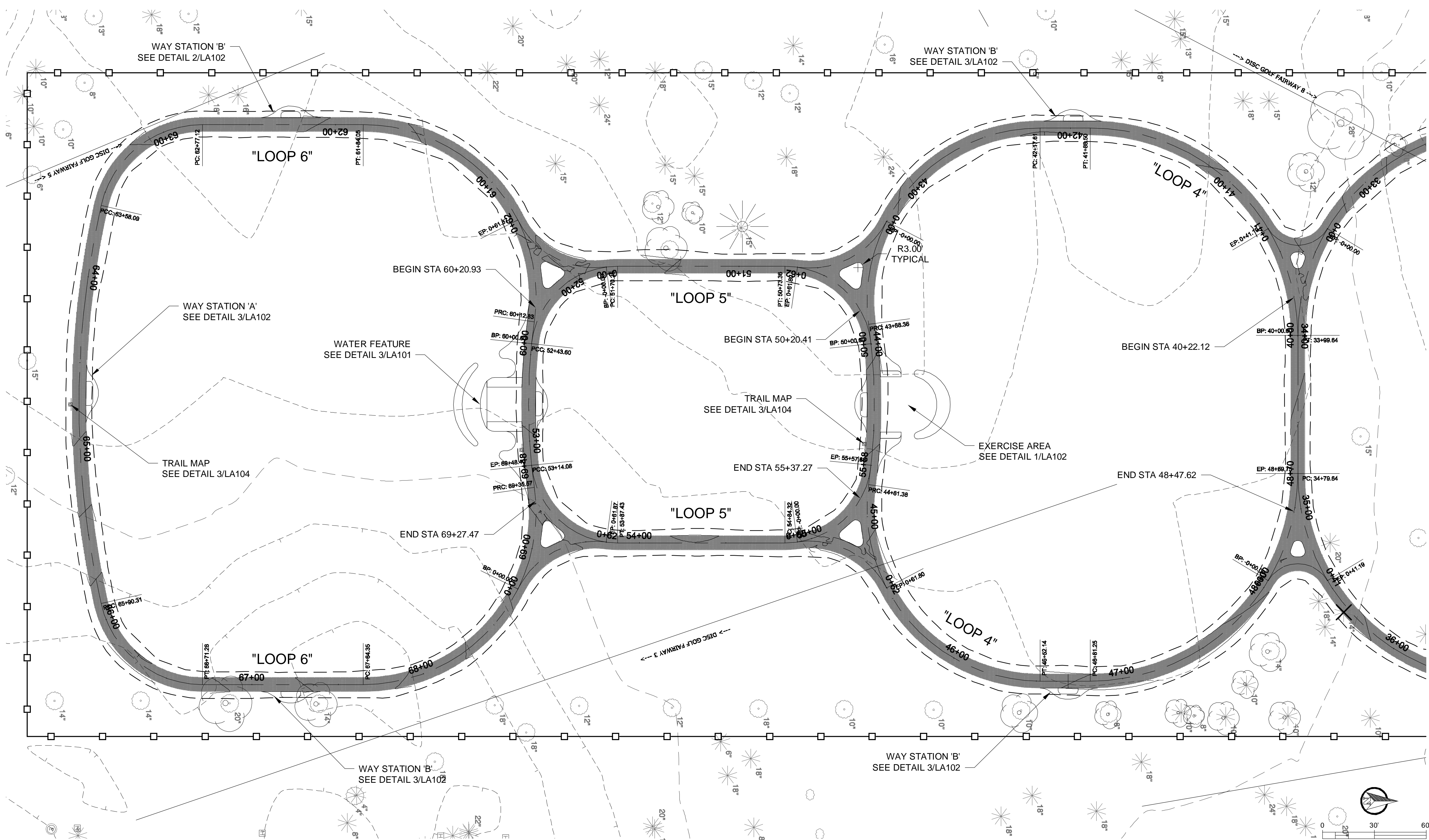
one half inch = one foot

three eighths inch = one foot

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one eighth inch = one foot

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HORIZONTAL CURVE DATA - "LOOP 4"										
Number	Length	Radius	Start Station	End Station	Chord length	Chord Direction	Start Direction	End Direction	External Tangent	PI Included Angle
1	188.50'	120.00'	40+00.00'	41+88.50'	169.71'	S45°00'00"W	N90°00'00"W	S00°00'00"E	120.00'	090°00'00"
2	170.76'	100.00'	42+17.61'	43+88.36'	150.76'	S48°55'07"E	S00°00'00"E	N82°09'45.07"E	114.71'	082°09'45"
3	93.02'	340.00'	43+88.36'	44+81.38'	92.73'	N90°00'00"E	N82°09'45.07"E	S82°09'45.07"E	46.80'	164°19'30"
4	170.76'	100.00'	44+81.38'	46+52.14'	150.76'	N48°55'07"E	S82°09'45.07"E	N00°00'00"E	114.71'	082°09'45"
5	188.50'	120.00'	46+52.14'	48+69.75'	169.71'	N45°00'00"W	N00°00'00"W	N90°00'00"E	120.00'	090°00'00"

HORIZONTAL CURVE DATA - "LOOP 5"										
Number	Length	Radius	Start Station	End Station	Chord length	Chord Direction	Start Direction	End Direction	External Tangent	PI Included Angle
1	73.36'	50.00'	50+00.00'	50+73.36'	66.95'	S42°01'52.01"W	S84°03'44.02"W	S00°00'00"E	45.07'	095°56'16"
2	73.36'	50.00'	51+70.25'	52+43.60'	66.95'	S42°01'52.01"E	S00°00'00"E	S84°03'44.02"E	45.07'	095°56'16"
3	70.47'	340.00'	52+43.60'	53+14.08'	70.34'	N80°00'00"E	S84°03'44.02"E	N84°03'44.02"E	35.36'	168°07'28"
4	73.36'	50.00'	53+14.08'	53+87.43'	66.95'	N42°01'52.01"E	N84°03'44.02"E	N00°00'00"E	45.07'	095°56'16"
5	73.36'	50.00'	54+84.32'	55+57.68'	66.95'	N42°01'52.01"W	N00°00'00"E	N84°03'44.02"W	45.07'	095°56'16"

HORIZONTAL CURVE DATA - "LOOP 6"										
Number	Length	Radius	Start Station	End Station	Chord length	Chord Direction	Start Direction	End Direction	External Tangent	PI Included Angle
1	12.83'	340.00'	60+00.00'	60+12.83'	12.83'	N82°58'51.19"W	N84°03'44.02"W	N81°53'58.36"W	6.42'	177°50'14"
2	171.22'	100.00'	60+12.83'	61+84.05'	151.06'	S49°03'00.82"W	N81°53'58.36"W	S00°00'00"E	115.24'	081°53'58"
3	80.98'	60.00'	62+77.12'	63+58.09'	74.97'	S38°39'51.94"E	S00°00'00"E	S77°19'43.89"E	48.01'	102°40'16"
4	232.21'	525.00'	63+58.09'	65+90.31'	230.32'	N00°00'00"E	S77°19'43.89"E	N77°19'43.89"E	118.04'	154°39'28"
5	80.98'	60.00'	65+90.31'	66+71.28'	74.97'	N88°39'51.94"E	N77°19'43.89"E	N00°00'00"E	48.01'	102°40'16"
6	171.22'	100.00'	67+64.35'	69+35.57'	151.06'	N49°03'00.82"W	N00°00'00"E	S81°53'58.36"W	115.24'	081°53'58"
7	12.83'	340.00'	69+35.57'	69+48.40'	12.83'	S82°58'51.19"W	S81°53'58.36"W	S84°03'44.02"W	6.42'	177°50'14"

NOTES:

- TYPICAL SECTION FOR "LOOP 4" (SEE DETAIL 10/C4.1) 8' BITUMINOUS TRAIL, NO CROWN, 2% LEFT UNLESS NOTED OTHERWISE.
- TYPICAL SECTION FOR "LOOP 5" (SEE DETAIL 10/C4.1) 8' BITUMINOUS TRAIL, NO CROWN, 2% RIGHT UNLESS NOTED OTHERWISE.
- TYPICAL SECTION FOR "LOOP 6" (SEE DETAIL 10/C4.1) 8' BITUMINOUS TRAIL, NO CROWN, 2% LEFT UNLESS NOTED OTHERWISE.
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